MAURITIAN STANDARD

MS ISO 17743:2016

First edition
2016-12-10

Energy savings – Definition of a methodological framework applicable to calculation and reporting on energy savings

PREVIEW

ICS: 27.010

Mauritius Standards Bureau
Moka

Gr 8

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National foreword

This Mauritian Standard is identical with the International Standard **ISO 17743:2016,** *Energy savings -- Definition of a methodological framework applicable to calculation and reporting on energy savings.* It was adopted by the Mauritius Standards Bureau on the recommendation of the Energy Management Standards Committee and approval of the Standards Council on 13 July 2016. It was notified in the Government Gazette on **10 December 2016. ***

For the purposes of this standard the following change should be made:

- wherever the word '*International standard*' appears, referring to this standard, it should be read as '*Mauritian Standard*'.

*** General Notice No. 1822 of 2016**

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 257, *Evaluation of energy savings*.

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Introduction

This International Standard aims to provide standards used to determine the energy savings covering regions, cities, organizations and projects.

This International Standard provides a framework with definitions, types of information used to evaluate the energy savings in order to enable consistency for the standards developed by ISO/TC 257.

Figure 1 illustrates the relationship between the different working groups of ISO/TC 257, as well as ISO 50015, developed by ISO/TC 242 which is about energy management.

Figure 1 — Work programme of ISO TC 257

This International Standard may be used by any stakeholder (policy maker, decision maker, company, organization, NGOs, etc.) that aims to determine energy savings.

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Energy savings — Definition of a methodological framework applicable to calculation and reporting on energy savings

1 Scope

This International Standard establishes a methodological framework that applies to the calculation and reporting of energy savings from existing (implemented) and prospective measures and actions which intend to save energy. This framework standard will be applicable to other standards in the field of energy saving determination.

This International Standard addresses the following in the context of energy savings:

— terminology;

— definition of the system boundaries;

— principles for the determination of a baseline;

— principles for statistical indicator-based methods;

— data used;

— principles for reporting.

The development of the methodology for measurement and verification of the energy savings is not in the scope of this International Standard.

The methodology of construction of the scenarios for future energy saving measures and actions is not in the scope of this International Standard.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
baseline period
specific period of time before the implementation of *energy performance improvement action* (3.7) selected for the comparison with the *reporting period* (3.11) and the calculation of *energy savings* (3.9)

[SOURCE: ISO/IEC 13273-1:2015, 3.3.8.1, modified — "energy performance" replaced by "energy savings" and deleted "and of energy performance improvement action"]

3.2
energy
capacity of a system to produce external activity or to perform work

Note 1 to entry: Commonly, the term energy is used for electricity, fuel, steam, heat, compressed air and other like media.

Note 2 to entry: Energy is commonly expressed as a scalar quantity.

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